

Applicant Information Tab

Applicant Information

Organization Name:

Northeastern San Joaquin County Groundwater Banking Authority

Tax ID: 999999944

Proposal Name:

City of Stockton - High Efficiency Toilet Direct Installation Phase II – Program Expansion to Residential Customers (HET Residential Program) and Stockton East Water District – 35 Acre Recharge Pond and Conjunctive Use Project (35 Acre Recharge Project)

Proposal Objective:

The Northeastern San Joaquin County Groundwater Banking Authority (GBA) proposes an IRWM Implementation Package which includes the following projects: 1.) City of Stockton - High Efficiency Toilet Direct Installation Phase II – Program Expansion to Residential Customers (HET Residential Program) and 2.) Stockton East Water District – 35 Acre Recharge Pond and Conjunctive Use Project (35 Acre Recharge Project). The proposal is being submitted on behalf the City of Stockton and the Stockton East Water District, both of which are member agencies of the GBA. The proposal objective is to implement projects consistent with the Eastern San Joaquin Integrated Conjunctive Use Program as defined in the 2007 GBA IRWMP.

Budget (Package)

Other Contribution: \$0

Local Contribution: \$0

Federal Contribution: \$0

In-kind Contribution: \$448,736

Amount Requested: \$1,345,644

Total Project Cost: \$1,794,380

Geographic Information

Latitude: 38° 3' 0"

Longitude: -121° 2' 0"

Longitude/Latitude Clarification:

Location: Eastern San Joaquin County



EASTERN SAN JOAQUIN REGION IRWM PROGRAM ROUND 1 IMPLEMENTATION GRANT PROPOSAL

County: San Joaquin

Ground Water Basin: SJ Valley-Cosumnes and SJ Valley-Eastern San Joaquin

Hydrologic Region: San Joaquin

Watershed: North Valley Floor, San Joaquin Valley Floor, and San Joaquin Delta

Legislative Information

Assembly District: 10th, 15th, 17th, and 26th Assembly Districts

Senate District: 5th and 14th Senate District

US Congressional District: District 11 (CA) and District 18 (CA)



Projects Tab

Project Benefits Information

Project Name:

City of Stockton - High Efficiency Toilet Direct Installation Phase II – Program Expansion to Residential Customers (HET Residential Program)

Benefit Type:

Water Use Efficiency - Conservation-Water Demand/Conservation

Benefit Level:

Primary

Description:

High-Efficiency Toilet Direct Installation for CII and Residential Customers; Annual HET Program water savings = 22.4 acre-feet Residential; 39.2 acre-feet CII; 61.6 acre-feet per year Total.

Measurement:

61.6 acre-feet per year

Budget (Package)

Other Contribution: \$0

Local Contribution: \$0

Federal Contribution: \$0

In-kind Contribution: \$221,877

Amount Requested: \$196,000

Total Project Cost: \$417,877

Geographic Information

Latitude: 37° 58' 0"

Longitude: -121° 17' 5"

Longitude/Latitude Clarification:

Location: Eastern San Joaquin County

County: San Joaquin



Ground Water Basin: SJ Valley-Cosumnes and SJ Valley-Eastern San Joaquin

Hydrologic Region: San Joaquin

Watershed: North Valley Floor, San Joaquin Valley Floor, and San Joaquin Delta

Legislative Information

Assembly District: 10th, 15th, 17th, and 26th Assembly Districts

Senate District: 5th and 14th Senate District

US Congressional District: District 11 (CA) and District 18 (CA)



Project Benefits Information

Project Name:

Stockton East Water District – 35 Acre Recharge Pond and Conjunctive Use Project (35 Acre Recharge Project)

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Storage -- Conjunctive-Water Supply Enhancement	1192.50	Recovery wells will augment deliveries to the SEWD Drinking Water Treatment Plant in dry years (1192.5 acre-feet per year).
Primary	Water Storage -- Groundwater-Water Quality Improvement	0	Increasing groundwater levels through the implementation of the Proposal and consistent with the Eastern San Joaquin Integrated Conjunctive Use Program will slow the intrusion of saline groundwater from the west.
Primary	Water Storage -- Groundwater-Recharge area developed	2680	Development of 35 Acre Recharge Site with a capacity to recharge approximately 2680 acre-feet per year.

Budget (Package)

Other Contribution: \$0

Local Contribution: \$0

Federal Contribution: \$0

In-kind Contribution: \$226,858

Amount Requested: \$1,149,644

Total Project Cost: \$1,376,502

Geographic Information

Latitude: 37° 57' 57"

Longitude: -121° 12' 30"

Longitude/Latitude Clarification:



Location: Eastern San Joaquin County

County: San Joaquin

Ground Water Basin: SJ Valley-Cosumnes and SJ Valley-Eastern San Joaquin

Hydrologic Region: San Joaquin

Watershed: North Valley Floor, San Joaquin Valley Floor, and San Joaquin Delta

Legislative Information

Assembly District: 10th, 15th, 17th, and 26th Assembly Districts

Senate District: 5th and 14th Senate District

US Congressional District: District 11 (CA) and District 18 (CA)



Applicant Information and Questions Tab

Q1. PROPOSAL DESCRIPTION

Provide a brief abstract of the Proposal. Please note if the Proposal will facilitate or support the participation of DAC's in the IRWM planning effort.

The Northeastern San Joaquin County Groundwater Banking Authority (GBA) proposes an IRWM Implementation Package which includes the following projects: 1.) City of Stockton - High Efficiency Toilet Direct Installation Phase II – Program Expansion to Residential Customers (HET Residential Program) and 2.) Stockton East Water District – 35 Acre Recharge Pond and Conjunctive Use Project (35 Acre Recharge Project). The proposal is being submitted on behalf the City of Stockton and the Stockton East Water District.

The goal of for the City of Stockton - High Efficiency Toilet Direct Installation Program Phase II – Expansion to Residential Customers (HET Residential Program) is to tier from the current HET Direct Installation and Rebate Program for Commercial, Industrial, and Institutional Customers (CII) into the residential customer sector. Residences built prior to 1992, when new development units were required to install low flush toilets, and households considered “disadvantaged” will be considered priority HET Residential Program targets. Numeric objectives for HET Installations are 400 units total with a target “disadvantaged” Het installation target of 15%. The total projected water savings is expected to be 22.4 acre-feet per year as calculated using the methodology prescribed by the California Urban Water Conservation Council. At this time, the HET Residential Program will be limited to the City of Stockton Municipal Utilities Department Water Service Area with potential expansion into other urban water service areas the Eastern San Joaquin Region in the future.

The objective of the City of Stockton - High Efficiency Toilet Direct Installation Program Phase II – Expansion to Residential Customers (HET Residential Program) is to meet projected 2030 urban demand targets as proposed in the adopted GBA IRWMP and the requirements of the SBx7-7 to reduce per capita water use by 20 percent by 2020. Additionally, the proposed program will feature a concerted effort to involve areas or households that considered as “disadvantaged”. The proposal includes sub-tasks specific to the purpose of increased involvement of DACs and DAC Representatives.

The goal of the SEWD 35 Acre Recharge Project is an opportunity to convert approximately 35 underutilized acres, located at the SEWD Dr. Joe Waidhofer Drinking Water Treatment Plant property, into to active groundwater recharge ponds similar to existing ponds in operation at the site. Current uses of the 35 acres include equipment storage, onsite drainage overflow, and stockpiling. Recharge water sources include raw water delivered to the site from the existing Bellota Pipeline from the Calaveras River, Peters Pipeline from the Stanislaus River via the Lower Farmington Canal, treatment plant filter backwash, and onsite drainage. Construction activities include construction of berms for recharge cells, onsite pipelines, valves, meters and other measuring equipment, and other construction management costs. The effective active recharge area will be approximately 20-acres and will be able to recharge up to 2,680 acre-feet per year. In dry years, two existing recovery wells will be able to pump stored groundwater back to the raw water sedimentation ponds of the SEWD Water Treatment Plant



prior for treatment and delivery to the City of Stockton Metropolitan Area. The operating scenario proposed would provide up to 1193 acre-feet to the Stockton Urban Area in dry years.

Q2. PROJECT DIRECTOR

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Mel Lytle, Ph.D.
Water Resources Coordinator
San Joaquin County Department of Public Works
PO Box 1810
1810 E. Hazelton Ave
Stockton, CA 95201
209.468.3089
209.468.2999 fax
mlytle@sjgov.org

Q3. PROJECT MANAGEMENT

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Brandon Nakagawa, P.E.
Senior Civil Engineer
San Joaquin County Public Works
Water Resources/Stormwater Management
PO Box 1810 Stockton, CA 95201
209.953.7460
209.468.2999 fax
bnakagawa@sjgov.org

Q4. APPLICANT INFORMATION

Provide the agency name, address, city, state, and zip code of the applicant submitting the application.

Northeastern San Joaquin County Groundwater Banking Authority
PO Box 1810
Stockton, CA 95201
209.468.3089
209.468.2999 fax

Q5. ADDITIONAL INFORMATION

Provide the funding area(s) in which projects are located.



San Joaquin River

Q6. ADDITIONAL INFORMATION

List the name of the Regional Water Quality Control Board (RWQCB) in which your project is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.

Central Valley RWQCB (55)

Q7. ELIGIBILITY

Proposition 84 requires a minimum funding match of 25% of total project cost unless there is a DAC project included in the proposal. Requirements for DAC funding match reductions are included in Exhibit G of this PSP. If your matching funds are less than 25%, please explain.

N/A

Q8. ELIGIBILITY

Does the application represent a single application from an IRWM Planning region approved in the RAP (see section II, Table 1)?

Yes, Eastern San Joaquin Region

If yes, include the name of the IRWM Planning region. If no, explain.

Eastern San Joaquin Region.

Q9. ELIGIBILITY

Is the applicant a local agency or non-profit organization as described in Appendix B of the Guidelines?

Yes, Local Agency

Q10. ELIGIBILITY

List the urban water suppliers that will receive funding from the proposed grant. Those listed must submit self certification of compliance with California Water Code (CWC) §525 et seq. and Assembly Bill (AB) 1420 (see Attachment 6 of the Planning Grant PSP). If there are no urban water suppliers, so indicate.

City of Stockton and Stockton East Water District

Q11. ELIGIBILITY

Have all of the urban water suppliers, listed in Q10 above, submitted complete 2005 Urban Water Management Plans (UWMP) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP. Will all of the urban water suppliers listed in Q10, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, submit updated 2010 UWMPs, consistent with the



2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement? If not, explain.N/A

Yes

Q12. ELIGIBILITY

Have any urban water suppliers listed in Q10 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program within the past three months? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section IIIB of the Guidelines for additional information.

Yes

Q13. ELIGIBILITY

Does the Proposal include any groundwater management or groundwater recharge projects or projects with potential groundwater impacts? If so, provide the name(s) of the project(s) and list the agency(ies) that will implement the project(s).

Yes, Stockton East Water District – 35 Acre Recharge Pond and Conjunctive Use Project (35 Acre Recharge Project).

Q14. ELIGIBILITY

For the agency(ies) listed in Q13, how has the agency complied with CWC §10753 regarding GWMPs, as described in Section III.B of the Grant Guidelines?

Yes, SEWD participated in the development of the GBA GWMP, which was developed in accordance with CWC §10753 and was adopted by the GBA Board of Directors on September 22, 2004. Subsequently, the SEWD Board of Directors adopted the GBA GWMP in 2006.

Q15. ELIGIBILITY

Does the IRWM region receive water supplied from the Sacramento-San Joaquin Delta? Please answer yes or no. If no, please explain. If yes, please answer Question 16.

No, the Eastern San Joaquin Region does not currently receive water from the Sacramento-San Joaquin Delta. Limited surface water supplies are diverted upstream on the Calaveras, Stanislaus, and Mokelumne Rivers which are tributary to the San Joaquin River. The Delta Water Supply project is currently being built and is set to be online in 2012. Phase I of the Delta Water Supply Project could divert and treat to drinking water standards up to 33,600 acre-feet per year from the San Joaquin River in the Central Delta.



Q16. ELIGIBILITY

Does the existing IRWM Plan help reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete Attachment 15.

No, the existing IRWMP includes both Phase I and Phase II of the Delta Water Supply Project which seeks to divert an additional 33,000 acre-feet per year from the Delta.

Q17. ELIGIBILITY

If an update to the plan takes place in the near future, will the updated plan continue to reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete Attachment 15.

No, the existing IRWMP includes both Phase I and Phase II of the Delta Water Supply Project which seeks to divert an additional 33,000 acre-feet per year from the Delta. There has been no indication to date that Phase II of the Delta Water Supply project will not move forward. The GBAIRWMP Update will build from the 2007 IRWMP.

